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RAW SEQUENCE LISTING

DATE: 12/07/2000

PATENT APPLICATION: US/09/723,185

TIME: 07:56:59

Input Set : A:\P1071P2C2.txt

Output Set: N:\CRF3\12072000\1723185.raw

ENTERED

3 <110> APPLICANT: Chen, Yvonne May-Yee
 4 Cochran, Andrea G.
 5 Lowman, Henry B.
 6 Skelton, Nicholas J.
 8 <120> TITLE OF INVENTION: INSULIN-LIKE GROWTH FACTOR AGONIST MOLECULES
 10 <130> FILE REFERENCE: P1071P2C2
 W--> 12 <140> CURRENT APPLICATION NUMBER: US/09/723,185
 12 <141> CURRENT FILING DATE: 2000-11-27
 14 <150> PRIOR APPLICATION NUMBER: US 09/337,227
 15 <151> PRIOR FILING DATE: 1999-06-22
 17 <150> PRIOR APPLICATION NUMBER: US 09/052,888
 18 <151> PRIOR FILING DATE: 1998-03-31
 20 <150> PRIOR APPLICATION NUMBER: US 08/825,852
 21 <151> PRIOR FILING DATE: 1997-04-04
 23 <160> NUMBER OF SEQ ID NOS: 50
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 18
 27 <212> TYPE: PRT
 28 <213> ORGANISM: Artificial sequence
 30 <220> FEATURE:
 31 <223> OTHER INFORMATION: Sequence is synthesized
 33 <220> FEATURE:
 W--> 34 <221> NAME/KEY: Xaa
 35 <222> LOCATION: 1-4, 6-7, 9, 11-12, 15-18
 36 <223> OTHER INFORMATION: Unknown amino acid
 38 <400> SEQUENCE: 1
 W--> 39 Xaa Xaa Xaa Xaa Cys Xaa Xaa Gly Xaa Leu Xaa Xaa Leu Cys Xaa
 40 1 5 10 15
 42 Xaa Xaa Xaa
 45 <210> SEQ ID NO: 2
 46 <211> LENGTH: 18
 47 <212> TYPE: PRT
 48 <213> ORGANISM: Artificial sequence
 50 <220> FEATURE:
 51 <223> OTHER INFORMATION: Sequence is synthesized
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 54 Glu Ala Arg Val Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
 55 1 5 10 15
 57 Lys Tyr Phe
 60 <210> SEQ ID NO: 3
 61 <211> LENGTH: 14
 62 <212> TYPE: PRT
 63 <213> ORGANISM: Artificial sequence
 65 <220> FEATURE:
 66 <223> OTHER INFORMATION: Sequence is synthesized
 68 <220> FEATURE:
 W--> 69 <221> NAME/KEY: Xaa

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Input Set : A:\P1071P2C2.txt
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70 <222> LOCATION: 2-3, 5, 7, 11-14
 71 <223> OTHER INFORMATION: Unknown amino acid
 73 <400> SEQUENCE: 3
 OK 74 Cys Xaa Xaa Gly Xaa Leu Xaa Trp Leu Cys Xaa Xaa Xaa Xaa
 75 1 5 10
 77 <210> SEQ ID NO: 4
 78 <211> LENGTH: 14
 79 <212> TYPE: PRT
 80 <213> ORGANISM: Artificial sequence
 82 <220> FEATURE:
 83 <223> OTHER INFORMATION: Sequence is synthesized
 85 <400> SEQUENCE: 4
 86 Cys Arg Ala Gly Ala Leu Gln Trp Leu Cys Glu Lys Tyr Phe
 87 1 5 10
 89 <210> SEQ ID NO: 5
 90 <211> LENGTH: 14
 91 <212> TYPE: PRT
 92 <213> ORGANISM: Artificial sequence
 94 <220> FEATURE:
 95 <223> OTHER INFORMATION: Sequence is synthesized
 97 <400> SEQUENCE: 5
 98 Cys Arg Ala Gly Arg Leu Gln Trp Leu Cys Glu Lys Tyr Phe
 99 1 5 10
 101 <210> SEQ ID NO: 6
 102 <211> LENGTH: 14
 103 <212> TYPE: PRT
 104 <213> ORGANISM: Artificial sequence
 106 <220> FEATURE:
 107 <223> OTHER INFORMATION: Sequence is synthesized
 109 <400> SEQUENCE: 6
 110 Cys Arg Ala Gly Asn Leu Gln Trp Leu Cys Glu Lys Tyr Phe
 111 1 5 10
 113 <210> SEQ ID NO: 7
 114 <211> LENGTH: 14
 115 <212> TYPE: PRT
 116 <213> ORGANISM: Artificial sequence
 118 <220> FEATURE:
 119 <223> OTHER INFORMATION: Sequence is synthesized
 121 <220> FEATURE:
 W--> 122 <221> NAME/KEY: Xaa
 123 <222> LOCATION: 6
 124 <223> OTHER INFORMATION: Xaa represents Nle
 126 <400> SEQUENCE: 7
 OK 127 Cys Arg Ala Gly Pro Xaa Gln Trp Leu Cys Glu Lys Tyr Phe
 128 1 5 10
 130 <210> SEQ ID NO: 8
 131 <211> LENGTH: 14
 132 <212> TYPE: PRT
 133 <213> ORGANISM: Artificial sequence

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 PATENT APPLICATION: US/09/723,185 TIME: 07:56:59

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 Output Set: N:\CRF3\12072000\I723185.raw

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135 <220> FEATURE:
136 <223> OTHER INFORMATION: Sequence is synthesized
138 <220> FEATURE:
W--> 139 <221> NAME/KEY: Xaa
140 <222> LOCATION: 9
141 <223> OTHER INFORMATION: Xaa represents Nle
143 <400> SEQUENCE: 8
OK 144 Cys Arg Ala Gly Pro Leu Gln Trp Xaa Cys Glu Lys Tyr Phe
145 1 5 10
147 <210> SEQ ID NO: 9
148 <211> LENGTH: 14
149 <212> TYPE: PRT
150 <213> ORGANISM: Artificial sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Sequence is synthesized
155 <400> SEQUENCE: 9
156 Cys Arg Ala Gly Pro Leu Gln Arg Leu Cys Glu Lys Tyr Phe
157 1 5 10
159 <210> SEQ ID NO: 10
160 <211> LENGTH: 14
161 <212> TYPE: PRT
162 <213> ORGANISM: Artificial sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Sequence is synthesized
167 <220> FEATURE:
W--> 168 <221> NAME/KEY: Xaa
169 <222> LOCATION: 8
170 <223> OTHER INFORMATION: Xaa represents Nal(1)
172 <400> SEQUENCE: 10
OK 173 Cys Arg Ala Gly Pro Leu Gln Xaa Leu Cys Glu Lys Tyr Phe
174 1 5 10
176 <210> SEQ ID NO: 11
177 <211> LENGTH: 14
178 <212> TYPE: PRT
179 <213> ORGANISM: Artificial sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Sequence is synthesized
184 <400> SEQUENCE: 11
185 Cys Arg Ala Gly Pro Leu Gln His Leu Cys Glu Lys Tyr Phe
186 1 5 10
188 <210> SEQ ID NO: 12
189 <211> LENGTH: 21
190 <212> TYPE: PRT
191 <213> ORGANISM: Artificial sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Sequence is synthesized
196 <220> FEATURE:
W--> 197 <221> NAME/KEY: Xaa / /
198 <222> LOCATION: 1-4, 16, 19

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 PATENT APPLICATION: US/09/723,185 TIME: 07:56:59

Input Set : A:\P1071P2C2.txt
 Output Set: N:\CRF3\12072000\I723185.raw

199 <223> OTHER INFORMATION: Unknown amino acid
 201 <400> SEQUENCE: 12
 202 Xaa Xaa Xaa Xaa Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
 203 1 5 10 15
 W--> 205 Xaa Tyr Phe Xaa Thr Tyr
 206 20
 208 <210> SEQ ID NO: 13
 209 <211> LENGTH: 21
 210 <212> TYPE: PRT
 211 <213> ORGANISM: Artificial sequence
 213 <220> FEATURE:
 214 <223> OTHER INFORMATION: Sequence is synthesized
 216 <400> SEQUENCE: 13
 217 Ser Glu Val Gly Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
 218 1 5 10 15
 220 Lys Tyr Phe Ser Thr Tyr
 221 20
 223 <210> SEQ ID NO: 14
 224 <211> LENGTH: 21
 225 <212> TYPE: PRT
 226 <213> ORGANISM: Artificial sequence
 228 <220> FEATURE:
 229 <223> OTHER INFORMATION: Sequence is synthesized
 231 <400> SEQUENCE: 14
 232 Ser Glu Val Gly Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
 233 1 5 10 15
 235 Lys Tyr Phe Ala Thr Tyr
 236 20
 238 <210> SEQ ID NO: 15
 239 <211> LENGTH: 21
 240 <212> TYPE: PRT
 241 <213> ORGANISM: Artificial sequence
 243 <220> FEATURE:
 244 <223> OTHER INFORMATION: Sequence is synthesized
 246 <400> SEQUENCE: 15
 247 Ser Glu Val Gly Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
 248 1 5 10 15
 250 Lys Tyr Phe Gln Thr Tyr
 251 20
 253 <210> SEQ ID NO: 16
 254 <211> LENGTH: 22
 255 <212> TYPE: PRT
 256 <213> ORGANISM: Artificial sequence
 258 <220> FEATURE:
 259 <223> OTHER INFORMATION: Sequence is synthesized
 261 <400> SEQUENCE: 16
 262 Ser Glu Val Gly Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
 263 1 5 10 15
 265 Lys Tyr Phe Gln Thr Tyr Thr

RAW SEQUENCE LISTING DATE: 12/07/2000
 PATENT APPLICATION: US/09/723,185 TIME: 07:56:59

 Input Set : A:\P1071P2C2.txt
 Output Set: N:\CRF3\12072000\I723185.raw

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266                               20
268 <210> SEQ ID NO: 17
269 <211> LENGTH: 21
270 <212> TYPE: PRT
271 <213> ORGANISM: Artificial sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Sequence is synthesized
276 <400> SEQUENCE: 17
277 Ser Glu Val Gly Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
278   1                               5                10                15
280 Lys Tyr Phe Asp Thr Tyr
281                               20
283 <210> SEQ ID NO: 18
284 <211> LENGTH: 21
285 <212> TYPE: PRT
286 <213> ORGANISM: Artificial sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Sequence is synthesized
291 <400> SEQUENCE: 18
292 Ser Glu Val Gly Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
293   1                               5                10                15
295 Lys Tyr Phe Glu Thr Tyr
296                               20
298 <210> SEQ ID NO: 19
299 <211> LENGTH: 21
300 <212> TYPE: PRT
301 <213> ORGANISM: Artificial sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: Sequence is synthesized
306 <400> SEQUENCE: 19
307 Ser Glu Val Gly Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
308   1                               5                10                15
310 Lys Tyr Phe Lys Thr Tyr
311                               20
313 <210> SEQ ID NO: 20
314 <211> LENGTH: 21
315 <212> TYPE: PRT
316 <213> ORGANISM: Artificial sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: Sequence is synthesized
321 <400> SEQUENCE: 20
322 Glu Ala Arg Val Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
323   1                               5                10                15
325 Lys Tyr Phe Ser Thr Tyr
326                               20
328 <210> SEQ ID NO: 21
329 <211> LENGTH: 21
330 <212> TYPE: PRT
331 <213> ORGANISM: Artificial sequence

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FYI:

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

DATE: 12/07/2000

PATENT APPLICATION: US/09/723,185

TIME: 07:57:00

Input Set : A:\P1071P2C2.txt

Output Set: N:\CRF3\12072000\I723185.raw

L:12 M:282 W: Numeric Field Identifier Missing, <140> CURRENT APPLICATION NUMBER: is Added.
L:34 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:69 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:122 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:139 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
L:144 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:168 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10
L:173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:197 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:12
L:202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:496 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31
L:501 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:513 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32
L:518 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:521 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:533 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:33
L:538 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33